

**SYSTEM DEFINED AS THERMOISTER FOR MONITORING, CONTROLLING  
AND ADJUSTING A SLEEPER'S ENVIRONMENTAL CONDITIONS OF THE  
SPACE ABOVE ENTIRE BED SURFACE**

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**ABSTRACT**

Method and apparatus for monitoring, controlling and adjusting sleeper's environmental conditions of the space above entire bed surface by partially sealing and insulating the  
10 space above the entire bed surface; monitoring, controlling and adjusting temperature, quality, oxygen level and moisture level of the air within the partially sealed and insulated space according combinational factors of the sleeper's preferences, the sleeper's physiological conditions, heat transfer rate between sleeper's body and ambient air, the internal conditions and external conditions of the partially sealed and insulated space. In  
15 particular, a system uses a three-dimensional structure to partially seal and insulate an adequate amount of space above entire bed surface; uses physiological state sensors, thermometers, thermostats, heating device, cooling device, humidistat (hygrostat), humidifier and dehumidifier, oxygen sensor, oxygen supply device, air filtration device to monitor, control and adjust the temperature, moisture level, oxygen level and quality of  
20 the air inside the partially sealed and insulated space.